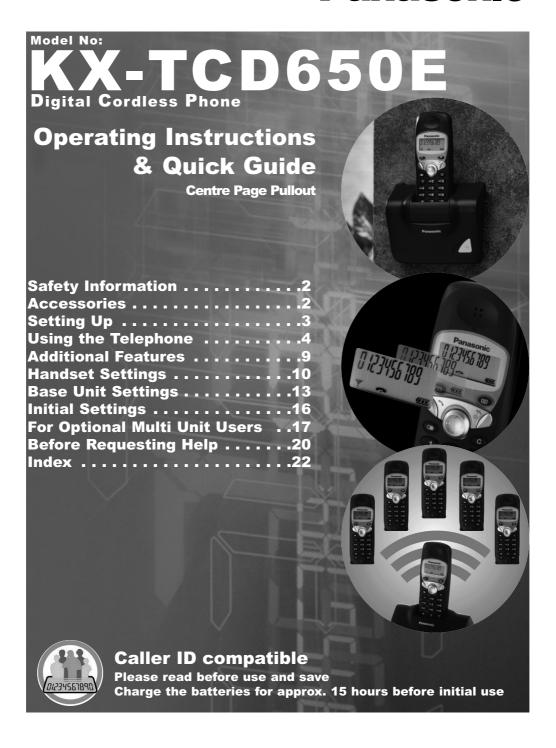
# **Panasonic**



### **General Safety**

- Only use the power supply included with the product.
- Do not connect the AC Adaptor to any AC outlet other than the standard AC220-240V.
- The apparatus is approved for use with PQLV19E power supply.
- This apparatus is unable to make emergency telephone calls under the following conditions:
  - The portable handset batteries need recharging, or have failed.
  - During a mains power failure.
  - When the Key Lock is set to ON.
  - When the unit is in Direct Call mode.
- O Do not open the base unit or handset (other than to change the batteries).
- O This apparatus should not be used near emergency/intensive care medical equipment and should not be used by people with pacemakers.
- O Care should be taken that objects do not fall onto, and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.

#### **Environment**

- O Do not use this unit near water.
- O This unit should be kept away from heat sources such as radiators, cookers, etc. It should also not be placed in rooms where the temperature is less than 5°C or greater than 40°C.
- O The AC Adaptor is used as the main disconnect device, ensure that the AC outlet is located / installed near the unit and is accessible.

#### **WARNING:**

TO PREVENT THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY OTHER TYPE OF MOISTURE.

#### **Battery Caution**

- Use only specified batteries.
- Only use rechargeable batteries.
- O Do not mix old and new batteries.
- O Do not dispose of batteries in a fire, they may explode. Check local waste management codes for special disposal instructions.
- On ot open or mutilate the batteries. Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- O Exercise care in handling the batteries in order not to short the batteries with conductive materials such as rings, bracelets and keys.

  The batteries and/or conductor may overheat and cause burns.
- O Charge the batteries provided in accordance with the information given in this operating guide.

#### Accessories

#### (Included)

AC Adaptor PQLV19E

> Telephone Line Cord

Cord PQJA87S Batteries (AA Size

Batteries (AA Size) 2 batteries N4DH33B00001

OR

HHR-6P/2SA1

O Battery Cover 1 PQKK10109Y6

O Operating Instructions QUQX00018Z

> Additional accessories are available for purchase. Contact your Panasonic Customer Care Helpline for further details.

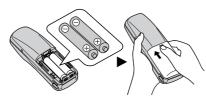
1

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### Setting Up

#### **Insert the Batteries**

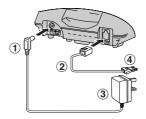


Please ensure the batteries are inserted as shown.

#### Connection

Plug in the AC adaptor and the telephone line cord in order ①, ②, ③. **WARNING:** 

DO NOT CONNECT THE TELEPHONE LINE CORD TO THE PHONE SOCKET (4) UNTIL THE HANDSET IS FULLY CHARGED.



O Fasten the AC adaptor cord to prevent it from being disconnected.



Hook

The AC Adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use).

#### Location

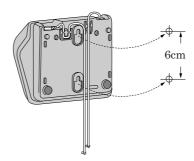
For maximum distance noise-free operation, place your base unit:

- -Away from electrical appliances such as TV, radio, personal computer or another phone.
- -In a convenient high and central location.

#### **Wall Mounting**

This unit can be mounted on a wall. Insert screws into wall. The centres of the screw holes should be 6cm vertically apart.

- Connect the AC adaptor and the telephone line cord.
- Arrange the wires as shown, then mount the unit.



#### **Notice**

Some features described in these operating instructions/quick guide are dependent upon subscription to your Network provider (e.g Caller ID).

All features of this type will be marked throughout the manual with this

Please note throughout this operating instructions/quick guide that the word "PRESS" is depicted by this symbol 🤝.



#### **Battery Charging**

#### (Before Initial Use)

! The batteries must be charged for approximately 15 hours before initial use.

- After the batteries have been inserted into the handset, place the handset in the powered up base unit. (The telephone line cord must not be connected to the telephone socket at this time. Please leave your standard telephone connected until battery charging is complete).
- The batteries are fully charged only when **III** is flashing.

#### (After Initial Use)

When the battery icon flashes (and, if programmed, battery low alarm sounds), the handset should be charged immediately because there is little energy left in the batteries.

### Battery Life

Battery life is dependent on use and conditions but in general when using fully charged Ni-MH batteries:

Talk time: 20hrs approx. Standby time: 200hrs approx.

When using Ni-Cd batteries (based on 800mA per hour)

Talk time: 12hrs approx.
Standby time: 100hrs approx.

- (Times indicated are for peak performance)
  The batteries reach peak performance
  after several full charge / discharge
  cycles.
- O The batteries cannot be overcharged unless they are repeatedly removed and replaced.
- O If battery life is shortened then please check that battery and charge terminals are clean.

For maximum battery life it is recommended that the handset is not recharged until battery icon flashes (

### Replacing the batteries

- If the Licon flashes after a few telephone calls even when the handset batteries have been fully charged, the batteries must be replaced.
  - ! Charge new batteries for approximately 15 hours before initial use.
- O (The telephone line cord must not be connected to the telephone socket at this time).
- O If the batteries are removed, the battery icon is reset to L (less than 30% capacity). In this case, even if fully charged batteries are fitted, the icon remains as until a full charge cycle is complete.
- On replacing the batteries, ensure that the correct battery type is selected (see 'Handset Settings').

### Turning the Power ON/OFF

#### **Turn Power ON**

and hold 🦘.

When button is released, display changes to the standby mode and a confirmation tone sounds.

#### **Turn Power OFF**

From the standby mode, > and hold % until a long tone sounds.

The display goes blank. If you put the handset in the base unit, the battery icon will display.

### **Answering Calls**

When the phone rings, 

NT, \* or I.

When an external call is incoming, you can temporarily turn off the handset ringer.

During an incoming call,  $\searrow$  and hold  $\boxed{\mathbf{v}}$ .  $\boxed{\mathbf{x}}$  is displayed and the handset ringing stops. (This function will not work when the handset is on the base unit or if an internal call is incoming.)

#### Dial the number.

After a few seconds, the call duration is displayed. The dialled number is stored in the redial memory.

#### When you are finished with the call, 🔊 🦘 .

- Alternatively, dial the number, then 🤝 🥆 . This procedure allows you to edit / confirm the number before dialling.
- If you misdial, Soc.
- If  $\Psi$  flashes and an alarm tone sounds when you press , move closer to the base unit and try your call again.

#### **Setting the Receiver** Volume

During a phone call, ⟨ ▶ ▲ or ▼ to change the volume setting to LOW (o), MEDIUM (oo) or HIGH

#### **Handset Locator / Paging**

Using this feature you can locate a misplaced handset by paging.

- on the base unit. All handsets ring for 1 minute.
- again or on (one of) the handset(s) to stop ringing.

### Redialling

#### **Redialling the Last Number Dialled**

(3>(O).

The last number dialled displays and is dialled.

#### Making a Call from the **Redial List**

The last 10 numbers dialled are stored

From the standby mode . or ▼ to select number. (To exit the redial list,  $\triangleright$ ).

#### Caller ID Service

Caller ID is a service of your Network provider and will only operate if you have subscribed to this feature.

After subscribing to Caller ID, this phone will display the callers information.

If your unit is connected to a PBX or a telephone line that does not support this service you will not be able to use it.

Caller ID does not display caller information while using the handset for an intercom call. However, the caller's information will be stored to the Caller ID List.

#### Making a Call from the **Caller ID List**

The last 50 caller's phone numbers are stored in the order the calls were received.

#### From the standby mode

The newest number is displayed.

- · If there are no numbers stored in the Caller ID list  $\Pi O$   $I \in E \Pi$  is displayed.
- or ▼ to select number.
  - to scroll to previous calls and (A) to the most recent calls.
  - Only the most recent call from the same phone number is stored.
  - Only 12 digits of a phone number are displayed. To display the remaining digits of longer phone numbers, 🔊 💌 3.

On selection 🤝

# Making a Call from the Caller ID List (cont.)

After you have viewed a phone number, answered the call or called back the caller, "a" is added to the caller's number.

After viewing all new Caller ID numbers, the call counter is reset to zero.

To exit the Caller ID list 🔊 🛪 .

### Caller ID List Menu / Redial List Menu

You can save numbers from the redial list/Caller ID list into speed dial, edit or clear from memory.

- From the standby mode (to access Redial list) or (to access Caller ID list).
- S or T to select number from list.
- ) (₃>**▶**.

**SRUE SPEEd** is displayed.

○ S or to select a menu item then follow the instructions below.

SRUE SPEEd

# (Save a Number in the List as a Speed Dial):

- o **⟨≫**▶.
  - is displayed.
- 🗫 🗐 .

EAIF CULL NO

### (Edit a Number in the List):

- 〈≫▶
  - or leto move the edit point.

Digits are added or deleted to the left of the flashing digit.

To add digits (> 0-100).

To clear digits (> 0.

Either (> 100) to dial or to save the number, (> 100).

SRUE SPEEd is displayed.

| > 100) to save.

CLERT

# (Clear a Number in the List):

- S or T to select YES (YES).
  - Ğ>Ē.

**CLERIFE** is displayed, a confirmation tone sounds and the next number is displayed. If you clear the last number, **NO IEEN** is displayed.

ALL CLEAR

# (Clear all Numbers in the List):

- 🗫 🗈.
- S or T to select YES (YES).
  - Ì Ç≫Ē.

A confirmation tone sounds and **CLERFED**, then **NO** IEEN is displayed.

To exit the menu at any time,

### **Speed Dialling**

You can store up to 20 telephone numbers in the handset.

#### **Storing New Numbers**

- ⇒D. and an index number 00 - 19 is displayed.
- \*Enter a phone number (max 24 digits).

**SRUE** *d* is displayed. To enter another number repeat from \*.

If speed dial memory is full  $\Pi E \Pi \Pi \Gamma Y$  FULL is displayed.

You can keep a record of your Speed Dial numbers in the reference table included in the 'Quick Guide'.

#### **Dialling Stored Numbers**

- O (>> 🕰
- OR to select number.

>00 - 19 to select index number directly.

) (m)

If you press ©, or no digits are entered for over 1 minute, speed dial is cancelled.

# Saving Numbers to Speed Dial from Other Lists

Please reference "Caller ID List Menu/Redial List Menu".

### Speed Dial List Menu

You can edit or clear a speed dial number from memory or assign a hot key to any speed dial number.

- From the standby mode 🗫 🕰.
- Solution or very to select number from list.

**⟨≫**▶.

**Ed It** is displayed.

► or v to select a menu item then follow the instructions that follow:

Ed 15

# (Edit the Speed Dial Number):

- o or to move the edit point.

Digits are added or deleted to the left of the flashing digit.

- To add digits 🔊 🛈 🚾.
- To clear digits 🔊 .
- 🗫 🗎 to save.

CLERT

# (Clear a Speed Dial Number):

- (>>> [▶].
- S or T to select YES (YES).
- Ŏ Ğ≫**D**.

CLEAFEd is displayed, a confirmation tone sounds and the next number is displayed. If you clear the last number, NO ILEN is displayed.

HOŁ WER LEC

# (Register a Speed Dial Number as a Hot Key

1 - (00729):

**⟨≫**▶.

or to select a key from

If a key has already been assigned as a hot key, it will flash in the display.

S ♠ or ▼ to select ¥E5 (YES).

The speed dial number is displayed and a confirmation tone sounds.

To exit the menu at any time,

### **Hot Key**

#### **Dialling a Hot Key Number**

You can assign the dialling buttons 1 - was as hot keys. You can choose 9 phone numbers from the speed dial list (See "Register a Speed Dial Number as a Hot Key").

and hold a key 1 - m.

The number stored with that key is displayed.

♠ or ▼ to view other numbers stored.

○ 🗫 🖜 to dial.

#### **Clearing Caller Information from a Hot** Key

O and hold a key 1 - mag. The number stored with that key is displayed.

- Sep. CLERΓ is displayed.
- **⟨≫**▶.
- S or ▼ to select **YE5** (YES).

**⟨ॐ**▶.

#### **Turn Key Lock ON**

- ⇒ and hold ≡ until a beep sounds.

  '¬O' is displayed and all dialling buttons are locked.
  - ! When the key lock is ON, emergency calls cannot be made until key lock is cancelled.

#### **Turn Key Lock OFF**

- o sand hold until a beep sounds.
  o '-O' disappears and key lock is cancelled.
- The key lock is also cancelled if the handset is turned off.

### Recall Feature

R is used to access special telephone services. Contact your Network provider for details.
If your unit is connected to a PBX, pressing R allows you to access some features of your host PBX such as transferring an extension call (Refer to 'TBR' in 'Base Unit Settings').

### **Call Waiting**

- Call Waiting is a service of your Network provider and will only operate if you have subscribed to this service.
  - After subscription, your handset displays a second caller's phone number while talking and a Call Waiting tone is heard.
  - You can answer the second call, keeping the first call on hold.
  - Please consult your Network provider for details of this service.



### **Dialling Pause**

! This function is for PBX line/long distance service users.

- A dialling pause is used when a pause in the dialling of the phone number is necessary using a PBX or accessing a long distance service. (see "Select Pause Timing").
- For example, when 9 (line access number) is dialled followed by a pause to access an outside line through a PBX:
- O ('P' is displayed on the LCD).
- Enter telephone number.
- (30°)
- O Entering a pause prevents misdialling when you redial or dial a stored number.
- Pressing once creates one pause. To extend the pause requirement time, accordingly.

Before proceeding with any of the main menu items listed in this chapter, the following procedure must initially be carried out:

From the Standby mode, .

☑ or ▼ to select SELL ING H5 (Setting Handset).

(₃>**.** 

♦ or ▼ to select main menu items from below (see menus in shaded text boxes):

• To exit the menu at any time, 🤝 🛪.

or © to return to previous step during programming.

#### EINE ALAFN

### (Alarm Settings):\*

- o (₃>**.**
- 🔊 🔊 or 🛡.

SEL LINE

#### (Set Time of Alarm):\*

digits) - 24 hour clock. Digits are entered over the flashing digit.

to save.

Save.

Save.

To save.

To save.

To save.

To save.

The proof of the

○ (3>E).

SEŁ ALAFN

#### (Set Alarm):

O Select ONCE (Once), FEPERE dR ILY (Repeat Daily) or OFF (Off).

○ 🗫 🗈.

#### **To Stop Alarm**

\* For this feature to work you must first set the Clock (see "Base Unit Settings").

#### r INGER OPE

#### (Ringer Settings):

LIUCEL NOT

# (Select the Handset Ringer Volume):

O S or to select Ringer Volume.

The choices are 6 levels or OFF.

) **(**≫**)**.

EHŁ FINGEF

# (Select Ringer Pattern for External Incoming call)\*

To program see \* below.

INF LINGEL

# (Select Ringer Pattern for Internal call)\*

To program see \* below.

PRG ING

### (Select Ringer Pattern for Paging/Handset Locator tone)\*

To program see \* below.

RLRFN

# (Select Ringer Pattern for Alarm tone):\*

There are 20 patterns available for each ringer option.

(>>▶.

(3>D.

Before programming, please follow steps 1 to 4 of 'Handset Settings'.

#### ŁONE OPŁ

#### (Tone Settings):

o Ç≫**⊵**.

○ 🗫 🖎 or 🛡.

hEY LONE

# (Set Key Confirmation Tone ON/OFF)\*

To program see \* below.

CALL RAIFING

# (Set Call Waiting Tone ON/OFF)\*

To program see \* below. Call waiting tone sounds when an incoming external call is received during an intercom call.

range alarn

#### (Set Range Alarm ON/OFF)\*

To program see \* below.

Alarm will sound when you move out of range of a base unit.

PUFFELA TOR

# (Set Battery Low Tone ON/OFF)\*

\* Program as follows

○ □○ □○ □○ □

○ S or T to select ON/OFF.

**⟨ॐ**▶.

#### a ISPLRY OPE

#### (Display Options):

o (₃>**≥**.

○ 🗫 🛦 or 🛡.

SERNABY NOAE

# (Select Standby Mode Display):

(Base Unit number), H5 NO (Handset Number), CLOCH (Clock) or OFF (Off).

! Time will only be displayed if the clock has been set (see "Base Unit Settings").

FULL UDGE

# (Select Talk Mode Display):

**(**₃>∞**(**≥.

SA or To select from EALH EINE (Length of Call) or PHONE NO (Phone Number).

#### CRLL OPE

#### (Call Options):

○ 🗫 🖪.

○ 🔊 🛦 or 🛡.

CALL BAS

# (Set Call Prohibition ON/OFF):

This allows you to make emergency and intercom calls only.

○ 🗫 🖪.

Enter handset PIN (4 digits).
 If the PIN is incorrect an error tone sounds.

○ Select On (On) or OFF (Off).

○ \( \sigma \) \( \sigma \).

If On is selected, is displayed.

SILECF UO

# (Enter a Direct Call Number):

After a Direct Call phone number has been entered and Direct Call set to ON, you can call the Direct Call number **only**, by pressing . Incoming calls are accepted.

**⟨ॐ**▶.

Enter phone number.

b to save the entered number.

call or to select ON (On) or OFF (Off).

>> ▶.

If *OΠ* is selected, **≜** is displayed.

or to select On (On) or OFF (Off).

If ON is selected,  $\triangle$  is displayed.

#### OEHEL OPE

#### (Other Options):

- **⟨≫▶**.

HSP IN CHANGE

#### (Change Handset PIN):

You can change the 4 digit password for the handset. The factory preset is 0000.

- 0 **(**₃>**(**≥).
- O Enter current handset PIN (4 digits).
- Enter new PIN (4 digits). (The new PIN does not display).
- Re-enter the new PIN. (If the PIN is entered incorrectly, an error tone sounds and display returns to NEB PIN

! Once you have programmed the password, you cannot confirm it. We recommend you write down the password. If you forget it, please consult our Panasonic Customer Care Helpline.

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AUEO EALH

#### (Set Auto Talk ON/OFF):

If you set Auto Talk to ON, you can answer the phone by lifting the handset off the base unit.

**⋑**⋘

or to select On (On) or OFF (Off).

(३०▶.

*ЪЯŁŁЕГУ ŁYPE* 

Before programming, please follow steps 1 to 4 of 'Handset Settings'.

#### (Set Battery Type Ni-MH / Ni-Cd):

Select the type of battery installed. If the battery type selected is not the same as the type of battery installed, the battery level icons will not be correct

- ⟨≫▶.
  - >▲ / ▼ to select Π I-ΠΗ (Ni-MH) or fil-[d (Ni-Cd).
  - **(**₃>∞**[**≥.

### regiserreion

#### (Registration):\*

- **⟨≫▶**.

register Hs

### (Registering a Handset to a Base Unit)\*

CRNCEL BRSE

(Cancelling a Base Unit)\*

#### SELECŁ bS

#### (Select Base Unit)\*

\*For information on registering handset(s), cancelling and selecting base unit(s), please refer to 'For Optional Multi-Unit Users'.

#### reset HS

#### (Reset the Handset Settings):

You can reset all of the handset settings to their initial factory settings (see 'Handset Initial Settings').

(₃>.▶

Enter handset PIN (4 digits).

If PIN is correct, \$\pi\O\$ is displayed.

S or **▼** to select **YE5** (Yes). (3>)**•** 

CLERFEd is displayed and display returns to settings menu.

From the standby mode, 🗫 🗈.

or v to select **SELL ING b5** (Setting Base).

3 ⟨≫▶

INPUL CODE is displayed. From this display, follow the instructions after each heading.

Please note: Where 'Enter PIN' is stated in this chapter, it refers to the 4 digit Base Unit PIN. (The factory setting is 0000).

• To exit the menu at any time, 🔊 🛪.

### Ringer Mode

# To select all handsets to ring

- 🔊 ①. ○ Enter PIN.
- (¬¬¬). ○ (¬¬¬¬).

# To select specific handset(s) to ring

- Enter PIN.
- ◯ 🗫🚾.
- ) 🔊 1 🖦 to select

handset(s).

The selected handsets will be flashing.

# To select specific handset(s) then all handsets to ring

The specific handset(s) will ring for a selected number of rings. If not answered, all handsets will ring.

- 🗫 🛈.
- Enter PIN.
- **√ >∞3**.
  - to ring.
- S S 1 ■6 to select number of
- rings. ⟨≫**▶**.

## Select Base Unit Ringer Volume

twice.
(5>0) (Off) or 1) - (3) to

select volume.

**⟨≫**▶.

### Selecting Time Break Recall (TBR) / Earth Recall Mode (option)

The factory setting is time break recall (TBR). If your PBX requires earth recall mode, this can be added at an extra cost. Please contact our Customer Care Helpline for details.

**ৢ≫**■3.

Enter PIN.

then for earth mode OR

then for time break recall mode (TBR).

**⟨≫▶**.

Before programming, please follow steps 1 to 3 of 'Base Unit Settings'.

#### Select Pause Timing

You can set the pause timing to 3 or 5 seconds, depending on your PBX requirements (see "Dialling Pause").

(₃>∞**∞3**).

Enter PIN.

<u>√</u>>∞3.

to select 3 seconds

OR

to select 5 seconds. **⟨≫**▶.

### Set the 4 - Digit Base **Unit PIN**

You can change the 4-digit password for the base unit. The factory preset is 0000.

√ 30.5

Enter PIN.

Enter New PIN (4 digits) twice.

If entered incorrectly, an error tone sounds.

If entered correctly, a confirmation tone sounds.

! Once you have programmed the password, you cannot confirm it. We recommend you write down the password. If you forget it, please consult our **Panasonic Customer Care** Helpline.

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### Set Call Restriction

You can restrict selected handset(s) from dialling selected phone numbers. You can assign up to 6 call restriction numbers (up to 8 digits). (₃>∞6).

Enter PIN.

All registered handset numbers are displayed.

(**>** 1) to select handset(s) to restrict.

The selected handset(s) will flash.

(>>▶.

Enter a restriction number (max. 8 digits).

(If you misdial  $\gg$   $\bigcirc$ ).

to confirm restriction number.

To continue entering call restriction numbers (max. 8 digits), enter the number, then 🔊 🗐.

On completion,  $\triangleright \blacksquare$ .

! If you dial a restricted number, the call does not connect and restricted number

#### **Cancel Call Restricted** Handset(s)

(₃>∞6).

0 Enter PIN. 0

0 handset(s) to cancel.

The selected handset(s) will stop flashing.

**⟨ॐ**▶.

# **Panasonic**

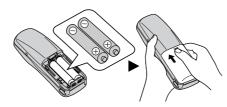
A basic guide to operations & features.
Pull out centre pages for quick reference

# Quick Guide &

# Useful Information

### **Batteries**

#### **Insert the Batteries**



Please ensure the batteries are inserted as shown.

### **Important!**

Charge the batteries for approx. 15 hours before initial use.

- Batteries reach peak performance after several full charge/discharge cycles.
- For further information on batteries, please refer to main Operating Instructions.

# **Network Dependent Features**

Some features described in these Operating Instructions/Quick Guide are dependent upon subscription to your Network provider (eg. Caller ID, Call Waiting).

All features of this type will be marked throughout the Operating Instructions/Quick Guide with this icon.

# **Contact Information**

If you experience any problems with your product, please contact our **Customer Care Helpline** (Monday - Friday 9:00am - 5:30pm) on:

#### U.K. 08700 100076/R.O.I. 01289 8333

Order accessory items for all Communications Products with ease and confidence either by telephoning our Customer Care Helpline or by going online through our Internet Accessory ordering service <code>shop@Panasonic</code>: www.panasonic.co.uk

- Most major credit and debit cards are accepted.
- All enquiries, transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!

# **Location of Controls**



### **Handset controls**

- 1 Receiver
- ② Function/OK Button
- 3 Talk Off/Power Button
- 4 Cancel Button
- (5) Intercom Button
- **6** Charge Contact
- 7 Display
- (8) Speed Dial Button
- 9 Talk Button
- 10 Navigator Key
- ① Redial/Pause Button
- (2) Recall Button
- (3) Charge Contact
- (4) Microphone

#### **Base unit controls**



) - Page button

# Handset Display

Icon	Displays	Flashes
Y	Within range of a base unit	Out of range
•1))	Intercom mode	Paging or another unit pages the handset
	Making or answering calls	Outside call is received
	Less than 30% battery capacity	- Recharge battery
•	30% to 50% battery capacity	
•	50% to 100% battery capacity	•••• - Fully charged
2	In Direct Call mode	
*	In Call Prohibition mode	
→>	In setting mode	
×	Ringer tone temporarily OFF	
$\vdash$	Key Lock ON	
$\Rightarrow$	Speed Dial list/mode	

# **Quick Guide**

Function	Action
Switch handset on / off	> 1 until a confirmation tone sounds.
Answer a call	(D) .
Make a call	Dial the number and 🔊 🦜 .
Hang up	♠★.
Turn Key Lock on/off	and hold for more than 2 seconds.
Redial last number	\$\hat{\partial}\$,\$\hat{\partial}\$.
Store a number	>■. > enter number, > ■.
Dial a stored number	>♥ to select a number, > .
Dial from the Redial List	> ○ . > △/▼ to select a number, > > .
Adjust Receiver volume	>▲/▼ during a call.
Call another handset	then the handset number.
Transfer a call	solution enter the handset number, so %.
Three way call	Solution enter the handset number, Solution 3.
Dial from the Caller ID List	SA/▼ to select a number, SA.

# **♀** Speed Dial Reference Table

00	05	10	15	$\overline{}$
01	06	11	16	
02	07	12	17	
03	08	13	18	
04	09	14	19	

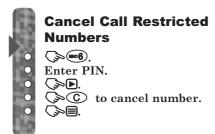
# Your Guide to the Display

Note: The LCD display of the handset can display up to 7 segments and each character will be displayed as shown in the following table. Some characters will be displayed in a different way; for example, the character M is displayed fl. This is not a defect of the handset display, it is simply the representation of the characters used in this kind of display. The LCD descriptions listed below are displays that do not show the correct letter form or are abbreviated descriptions. The meanings of these displays have been added for your reference.

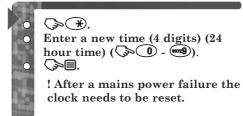
Character	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S
Display	R	Ь	Ε	Ь	Ε	F	G	Н	1	J	Ь	L	П	П	0	Р	9	Γ	5
Character	Т	U	٧	W	X	Υ	Z	1	2	3	4	5	6	7	8	9	*	0	#
Display	Ŀ	U	U	R	Н	У	2	1	2	3	Ч	5	8	7	8	9	5	0	Ξ

Display	Display	Display	Display
Message	Meaning	Message	Meaning
ALAFN AULO AULO EALH BALEFY LOU BALEFY LYPE BS NO BS PIN CALL OPE CALL UR IE ING CLOCK AIFECE NO AISPLAY OPE EAIE CALL NO EHE FINGEF HS NO HS PIN HS PIN CHANGE HOE KEY EG INE FINGEF LEY EONE NENOFY FULL NEU SPEEA NEU PIN	Alarm Automatic Automatic Automatic Talk Battery Low Battery Type Base Number Base Unit Pin Call Option Call Waiting Clock Direct Number Display Option Edit a Call no. External Ringer Handset Number Handset PIN Change Handset PIN Register Hot Key Internal Ringer Key Tone Memory Full New Speed New PIN	NI-CA NI-NH NO IEEN OEHER OPE PHONE NO FRNGE RLRFN FEG ISEER HS SELECE BS SEE RLRFN SEE HNE SEELING BS SEELING HS SEELING HS SERNABY NOAE ERLK NOAE ERLK EINE EINE RLRFN LONE OPE UOL	Ni-Cd Ni-MH No Item Other Option Phone Number Range Alarm Register Handset Ringer Option Ringer Volume Reset Handset Select Base Set Alarm Set Time Setting Base Setting Handset Standby Mode Talk Mode Talk Time Time Alarm Tone Option Volume

Before programming, please follow steps 1 to 3 of 'Base Unit Settings'.



#### Set the Clock



#### Reset the Base Unit

You can reset all of the base unit settings to their initial factory settings. (see "Base Unit Initial Settings").

Enter PIN.

! If the base unit is reset, the Caller ID list will clear.



#### **Function Initial Setting** OFF Time Alarm Mode Clear Alarm Time Handset Ringer Volume 3 Handset External Ringer Pattern 1 Handset Internal Ringer Pattern 1 Handset Paging Tone Pattern 1 Handset Alarm Tone Pattern ON Key Tone Call Waiting Tone ON OFF Range Warning Alarm Battery Low Alarm ON Standby Mode Display Base Unit Number Talk Mode Display Length of the Call Call Prohibition Mode OFF Direct Call Mode OFF Direct Call Number Clear 4 Digit Handset PIN 0000 Auto Talk OFF Automatic Base Unit Access Base Unit Access Handset Receiver Volume All Clear Redial Memory

## **Base Unit Initial Settings**

To reset base unit to initial settings refer to "Base Unit Settings".

Function	U		Initial Setting
Ringer Mode		All Hands	sets
Number of Rings		3	
Earth/Time Break Recall		Time Bre	ak Recall
Pause Timing		3 seconds	
Call Restricted Handset(s)		All Clear	
Call Restriction Number(s)		All Clear	
Base Unit PIN		0000	
Base Unit Ringer Volume		Medium	

16

Additional KX-A120E handsets are available to purchase separately. Up to 6 handsets can be registered to a single base unit. Using additional handsets allows you to have an intercom call while simultaneously on another handset conducting a call to an outside line.

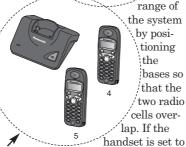
### **Operating Additional Base Units**

You can register and operate your handset with up to 4 base units. Each base unit forms 1 radio cell. If the individual bases

are linked to the same telephone line then you can extend the oper-

ating





Radio Cell

Eg. Additional handsets (KX-A120E) 2 base units.

AUTO base selection, in STANDBY MODE the handset will automatically swap to the second base if the registered with range on the first base is exceeded.

It is not possible to transfer calls between bases (only between handsets linked to the same base unit).

NOTE: Calls are disconnected when the handset moves from one radio cell to another.

### Registering a Handset to a Base Unit

The handset supplied with the base unit is already registered. If an optional handset is purchased, it must be registered as follows.

! Charge the optional handset batteries for 15 hours before initial use.

From the Standby mode, .

S or ▼ to select SELL ING H5 (Setting Handset).

**⟨≫▶**.

or ▼ to select:

#### FEG ISEFRE ION

#### (Registration):

(≫).

#### register Hs

#### (Register Handset):

0

and hold ) on the base unit for 10 seconds. A base registration tone sounds.

! Handset must be registered within 1 minute. If over 1 minute > then restart registration.

S or ▼ to select bR5E 1-4 (base 1-4).

(3>►). 0

Enter base unit PIN (4 digits factory preset is 0000).

**ॐ**.

· When handset and base unit connect a confirmation tone sounds.

If handset registration is not successful within 5 minutes, an error tone sounds.

#### Cancelling a Handset

Each handset can cancel itself or another handset.

- From the standby mode, 🗫 🗈 .
- 🗫 🛦 or 🛡 to select SEŁŁ ING ЬS.
- o (≫**•**.
- when INPUL COdE is displayed.
- O Enter base unit PIN (4 digits).
- to cancel.
- **□ □ > □**.

### Cancelling a Base Unit

Follow steps 1 to 5 of "Registering a Handset to a Base Unit", then:

or ▼ to select:

CRNCEL BRSE

#### (Cancel a Base Unit)

You can cancel any base unit that your handset is registered to.

- O Enter handset PIN (4 digits).
- or to select base unit(s) to cancel.
- O Set selection.

Selected base number(s) flash(es).

- Select YE5 (Yes) or NO (No).
- to confirm selection.

If selection was YE5, CLERFEd is displayed briefly.

### Selecting a Base Unit

When RUED (Automatic Base Unit Access) is selected, if you move outside of the radio range of the current base unit the handset automatically searches for other registered bases. When a specified base unit is selected, the handset will access that base unit only.

Follow steps 1 to 3 of "Registering a Handset to a Base Unit", then:

○ 🗫 🛦 or 🔻 to select:

#### SELECE 65

#### (Select Base Unit):

- **(**≫**)**.
- or vo to select RULO or a specific base unit 1-4 (only registered base unit numbers are displayed).
- O to confirm selection.

Calls (both incoming and outgoing), can be conducted only via the selected base unit, even if the radio cells overlap with neighbouring base units.

### Intercom Between Handsets

You can use your handsets as a 2-way intercom. For example, when Handset 1 calls Handset 2:

Handset 1-

- 🕨 🗫🕅. 🐠 blinks.
- O (desired handset number).

Handset 2 (ringing) -

- to answer.
  - Handset 1 and 2 -
- to end the call.

! Intercom calls can be conducted within the radio cell of the current base unit, but not with units in neighbouring radio areas.

For example, when handset 1 transfers a call to Handset 2:

Handset 1 -

During the call, 🔊 🕅.

•1) is displayed and the call is put on hold.

(desired handset number).

A ring back tone is heard until Handset 2 answers.\*

Handset 2 (ringing) -

or NT to answer.

Handset 1 & Handset 2 - (Have conversation).

Handset 1 -

O > to release the call for transfer

Solution to connect to external caller again.

To transfer the call directly, without speaking to the other handset:

Handset 1 -

○ 🗫 🦈 at \*.

Handset 2 -

(30°).

The transfer is complete.

If the transferred call is not answered within 30 seconds, Handset 1 will ring again. to answer the call.

### **Conference Calls**

During a conversation in an external call, you can make an intercom call to another handset and then combine the calls together to establish a conference call:

Handset 1 -

During the call, (>NT) then (>e2) (desired handset number).

Handset 2 (ringing) -

or No to answer.

Handset 1 -

o to establish the conference call.

Handset 1 or Handset 2 -

to end the conference call.

For Optional Multi-Unit Users

### **Before Requesting Help**

If you experience any problems with the normal use of your apparatus, you should unplug it from the telephone outlet and connect a known working telephone in its place. If the known working telephone still has problems, then please contact the customer service department of your Network provider. If it operates correctly, then the problem is likely to be a fault in your apparatus. In this case, contact your supplier for advice. Your Network provider may charge you if they attend a service call that is not due to apparatus supplied by them.

100000000000000000000000000000000000000	The same of the same of	
Problem	Possible cause	Solution
NO LCD display in handset.	• Handset not turned on.	• Turn on power (pg. 4).
Handset will not turn on.	Batteries not inserted.	• Insert x 2 rechargeable batteries supplied (pg. 3).
	Batteries not charged.	Place handset in base and connect AC adaptor to base and AC outlet (full charge period 15 hrs).
Batteries charge icon not counting up.	Dirty charge contact.	• Clean charge / battery contact and retry charge.
_	• Base not powered up.	• Connect AC adaptor to base unit and AC outlet.
Y icon flashing.	<ul> <li>Handset not registered to base.</li> <li>Handset out of range of</li> </ul>	Register handset to base.      Move handset closer to
	base.	base.
Handset busy tone heard when is	Handset out of range of base.	Move handset closer to base.
pressed.	• Another handset in use.	• Wait for other user to complete call.
No dial tone.	• Telephone line not connected.	• Insert telephone cord to network.
Cannot dial out.	<ul><li>Call prohibition mode set.</li><li>Particular dialled number is restricted.</li></ul>	Turn feature off.     Remove number from call restricted list.
D ': 'II	• Key lock mode ON.	• Turn key pad lock OFF.
Base unit will not ring.	Base ringer turned off.	• Set ringer to one of 3 volume levels (see "Base Unit Settings").
Handset will not ring.	• Ringer switched off.	• Set ringer to one of 6 volume levels (see "Handset Settings").
Last number redial does not work.	• Number exceeded 24 digits.	• Redial manually.
No Caller ID number displayed.	Service not supplied.     Caller has withheld info.	Caller ID service must be arranged with Network provider.
icon flashes.	• Battery low.	• Recharge batteries.

#### **Problem** Possible cause Solution Cannot register • Max. number of bases • Delete unused base handset to base. already registered to registrations from handset. handset. • Delete unused handset • Max. number of handsets already registered to base registrations from base. • Wrong PIN number If PIN number is lost. entered (Default 0000). contact the Panasonic Customer Care Helpline. • Electrical noise in local • Move base / handset away from sources of electrical area. noise (e.g TV, radio). 🖚 If you still have a problem please contact our Customer Care Helpline (Monday - Friday 9:00am - 5:30pm) on : U.K. 08700 100 076 R.O.I. 01289 8333

#### Technical Information

•	 e-	- 4 -	
<b>S N</b>		2116	ns:

Standard: DECT=(Digital Enhanced Cordless

<u>T</u>elecommunications).

GAP=(Generic Access Profile).

Number of channels: 120 Duplex Channels. Frequency range: 1.88 GHz to 1.9 GHz.

**Duplex procedure:** TDMA (Time Division Multiple Access).

Channel spacing: 1728 kHz.

Bit rate: 1152 kbit/s.

Modulation: GFSK.

RF Transmission Power: approx. 250mW. Voice coding: ADPCM/32kbit/s.

Operating range: Up to 300m outdoors (line of sight), up to

50 m indoors.

Power source: AC Adaptor 220-240 V AC~50/60Hz.

Power consumption, base unit: 5 VA.

Operating conditions: 5° - 40°C, 20 - 80% relative air humidity (dry)
Dimensions, Base Unit: About 103mm x 122mm x 60mm x 180g
Dimensions, Handset: About 134mm x 46mm x 30mm x 85g

(without batteries)

Telephone line cord length: About 2.3m AC adaptor cord length: About 1.9m

• Specifications are subject to change.

• The illustrations used in this manual may differ slightly from the original device.

#### **Connections:**

• The telephone will not work during a power failure.

We therefore recommend you use a standard telephone and T Adaptor to connect this Digital Cordless Phone to the line. Your Panasonic Sales Shop can offer you more information about connection possibilities.

## Index

AC Adaptor	2,3,20,21	Conference Calls	19
Accessories	2,a	Connection	3
Additional	,	Controls Location	b
Base Units	17		
Features	9	Dialling	
Handsets	17	pause	9
Alarm Settings	10	Direct Call Number	11
Answering Calls	4	Display	
Auto Talk	12	guide	d
		standby mode	11
Base Unit		talk mode	11
connection	3		
initial settings	16	Earth Recall Mode	13
PIN	14	Edit Speed Dial Number	7
reset	15		
selection	18	Guarantee	24
settings	13,14,15		
Batteries	-, , -	Handset	
caution	2	display	11
charging	4,a	initial settings	16
insert	3,a	locator	5
life	4	ON/OFF	4
type	12	paging	5
Battery Low Alarm	11	reset	12
		ringer	10
Call Bar	11	tones	11
Caller ID List		PIN	12
clear a number	6	settings	10,11,12
clear all numbers	6	Help	20
edit a number	6	Hot Key Dialling	8
making a call from	5	Helpline Number	2,12,14,a,21
menu / redial list menu	6		_,,_
save a number	6	cons	b
Call Restriction	14	Intercom	18
Calls			
answer	4	Kev	
finishing	5	lock	c,9
hang up	c	tone	11
making	5		
redial	5	Making Calls	5
threeway	c	from the redial list	5
transferring	19	from the caller ID list	
Call Waiting	9	from the speed dial li	
Cancel a Base Unit	18	irom one speed did ir	·
Cancel a Handset	18	Network Dependent feat	ures 3,a
Clear Speed Dial Number	7		0,4
Clock	15		

In	dex		
0	ON / OFF		Three Way Conversation
史	alarm	10	Time Break Recall (TBR)
	auto talk	12	Tone Option
0	call prohibition	11	battery low
	direct call	11,12	call waiting tone
	key lock	9	key tone
	power	4	range alarm
	tones	11	Transferring a Call
800	Paging	5	<b>V</b> olume
l.	Pause Timing	14	base unit
	Power ON / OFF	4	handset
	Quick Guide	c	Wall Mounting
	controls	b	
	display	d	
	icons	b	
	Range Warning Alarm	11	
	Recall	9	
	Receiver Volume	5	
	Redialling	5	
	Registering a Handset	17	
	Register Speed Dial Number	7	
	Reset Base	15	
	Reset Handset	12	
	Ringer Pattern		
	alarm	10	
	external	10	
	internal	10	
	paging	10	
	<b>S</b> afety	2	
	Setting Up	3	
	Specifications Speed Dial	21	
	clear speed dial number	7	
	dialling stored numbers	7	
100	edit speed dial number	7	
20	reference table	c	
		7	
	register speed dial number		
-	saving numbers to speed dia		
T	storing new numbers	7	
	Technical Information	21	
	Telephone Line Cord	2,3,21	
	•		

9,13

#### Guarantee

#### **CONDITIONS OF GUARANTEE**

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the appliance proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective appliance (or any part or parts there of) repaired or replaced free of charge.

- 1. The appliance shall have been purchased and used solely within either the UK or ROI and in accordance with standard operating instructions and the technical and/or Safety Standards required in the UK.
- 2. The appliance should be returned together with this guarantee and proof of date of purchase promptly on being found defective at the purchaser's risk and expense to the authorised dealer from whom the appliance was purchased or to the nearest authorised dealer. All enquires must be through such dealers.
- 3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this appliance is used, or to damage occurred during transit to or from the purchaser.
- 4. If at any time during the guarantee period any part or parts of the appliance are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the appliance, or the appliance has been dismantled or repaired by any person not authorised by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
- 5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the appliance or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
- 6. This guarantee shall not apply to batteries and any other items of limited natural life.
- 7. Our decision on all matters relating to complaints shall be final. Any appliance or defective part which has been replaced shall become our property.
- 8. The guarantee period applicable to this product shall be 12 months.

Please keep these Operating Instructions with your receipt.

#### Panasonic Business Systems U.K.

Receipt No.	Date of Purchase
Model No. <b>KX-TCD650E</b>	Serial No.



MODEL No. KX-TCD650E

Hereby, Kyushu Matsushita Electric (U.K.) Limited declares that this (KX-TCD650E) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the manufacturer's declaration of conformity to the essential requirements of the R&TTE Directive is available at the following web address: http://doc.panasonic-tc.de

#### For your future reference

Serial No. Date of purchase (found on the bottom of the unit)

Name and address of dealer

Customer Care Helpline Tel. No.: U.K. 08700 100 076 R.O.I. 01289 8333



Technical specifications are subject to change.

#### **Sales Department:**

Panasonic Business Systems U.K.
Panasonic House, Willoughby Road, Bracknell, Berkshire, RG12 8FP

Kyushu Matsushita Electric (U.K.) Ltd.

Pencarn Way, Duffryn, Newport, South Wales, NP10 8YE, United Kingdom

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